

# Gernot A Strohmeier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1784453/publications.pdf>

Version: 2024-02-01

13  
papers

730  
citations

840776

11  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Singlet oxygen generation as a major cause for parasitic reactions during cycling of aprotic lithium-oxygen batteries. <i>Nature Energy</i> , 2017, 2, .	39.5	328
2	Biocatalytic reduction of carboxylic acids. <i>Biotechnology Journal</i> , 2014, 9, 822-843.	3.5	96
3	Structure-Based Mechanism of Oleate Hydratase from <i>Elizabethkingia meningoseptica</i> . <i>ChemBioChem</i> , 2015, 16, 1730-1734.	2.6	66
4	Enzymatic One-Step Reduction of Carboxylates to Aldehydes with Cell-Free Regeneration of ATP and NADPH. <i>Chemistry - A European Journal</i> , 2019, 25, 6119-6123.	3.3	56
5	Investigation of one-enzyme systems in the $\gamma$ -transaminase-catalyzed synthesis of chiral amines. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 96, 103-110.	1.8	40
6	Expanding the threonine aldolase toolbox for the asymmetric synthesis of tertiary $\beta$ -amino acids. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9651-9661.	3.6	28
7	The impact of deuteration on natural and synthetic lipids: A neutron diffraction study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 126-133.	5.0	27
8	Perdeuteration of cholesterol for neutron scattering applications using recombinant <i>Pichia pastoris</i> . <i>Chemistry and Physics of Lipids</i> , 2018, 212, 80-87.	3.2	27
9	Engineering <i>Pichia pastoris</i> for improved NADH regeneration: A novel chassis strain for whole-cell catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1741-1748.	2.2	18
10	Co-factor demand and regeneration in the enzymatic one-step reduction of carboxylates to aldehydes in cell-free systems. <i>Journal of Biotechnology</i> , 2020, 307, 202-207.	3.8	18
11	Lipoprotein ability to exchange and remove lipids from model membranes as a function of fatty acid saturation and presence of cholesterol. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158769.	2.4	12
12	Weiterentwicklung der Substrattoleranz von <i>Elizabethkingia meningoseptica</i> Oleathydratase zur regio- und stereoselektiven Hydratisierung von $\alpha$ -Is-Äurederivaten. <i>Angewandte Chemie</i> , 2019, 131, 7558-7563.	2.0	8
13	One-Pot Deracemization of <i>sec</i> -Alcohols: Enantioconvergent Enzymatic Hydrolysis of Alkyl Sulfates Using Stereocomplementary Sulfatases. <i>Angewandte Chemie</i> , 2013, 125, 3359-3361.	2.0	6